

SHREYA DUTTA

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[LinkedIn](#) ◊ [GitHub](#) ◊ [Portfolio](#)

PERSONAL PROJECTS

EduNova | Gamified Abacus Learning Platform

[GitHub](#)/[Reyd900/EduNova](#)

Python, ML, HTML/CSS/JS

- Implements an interactive 2D abacus simulator to gamify mathematical learning for children, featuring guided tutorials, free practice, and timed challenges.
- Provides visual feedback, score tracking, and adaptive progression to make abacus skill development engaging and accessible.

FeelSync | Mental Health Detection Platform

[GitHub](#)/[Reyd900/FeelSync](#)

Python, ML, Flask, HTML/CSS/JS+Bootstrap

- Implements a gamified mental health detection system using interactive psychology-informed mini-games and advanced ML models for early identification of anxiety, depression, and attention disorders.
- Includes real-time behavioral data capture, pattern analysis, and personalized dashboard visualization to support adolescent mental wellness monitoring.

Liquid-Metamorphosis

[GitHub](#)/[Reyd900/LiquidMetamorphosis](#)

Python, Unity, C#, AI Algorithms

- A 2D puzzle game where players solve challenges using fluid transformation mechanics, with intelligent pathfinding and decision-making powered by A* and Monte Carlo Tree Search algorithms.
- Supports adaptive difficulty, real-time physics, and immersive experiences through modular VR and multiplayer integration.

EDUCATION

Bachelor of Technology in Computer Science and Engineering, VIT BHOPAL

2022 – 2026

CGPA: 8.11

Higher Secondary (XII), CBSE Board

2022

Percentage: 64.2%

Secondary (X), CBSE Board

2020

Percentage: 84.6%

SKILLS AND TECH STACK

Languages Python, C/C++, C#, JS, SQL, HTML5, CSS3, React, Bootstrap

Engines Unreal Engine, Unity, Godot, Blender

Tools/IDE Visual Studio, MySQL, Git, GitHub, Azure DevOps, Flutter, MongoDB

Creative Figma, Canva, Photoshop, Premiere Pro

COCURRICULARS

- Music Club Member, VIT Bhopal | Dec 2022 – Jul 2023 Organized campus events and performances, enhancing collaboration and coordination.
- National Tech Events: Participated in Flipkart Grid 5.0, HackRx 4.0 (Bajaj Finserv), TechGig Code Gladiators, gaining real-world experience in hackathons and coding contests.

ADDITIONAL

- Certifications: IBM Adroit – GenAI Coursera – Unity and C# Basics
- Language Proficiency: English, Hindi, Bengali